

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau(43) International Publication Date  
12 May 2005 (12.05.2005)

PCT

(10) International Publication Number  
WO 2005/042230 A1(51) International Patent Classification<sup>7</sup>: B29C 49/06, B29B 11/08(21) International Application Number:  
PCT/AU2004/001459

(22) International Filing Date: 22 October 2004 (22.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2003905983 30 October 2003 (30.10.2003) AU

(71) Applicant (for all designated States except US): B &amp; R INDUSTRIES PTY LTD [AU/AU]; PO.Box 193, Balmain, NSW 2041 (AU).

(72) Inventor; and

(75) Inventor/Applicant (for US only): GLENN, Robert, Beale [AU/AU]; 9 Conway Place, Kings Langley, NSW 2147 (AU).

(74) Agent: DUMMER, Peter, C.; Wallington-Dummer, GPO Box 3888, Sydney, NSW 2001 (AU).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

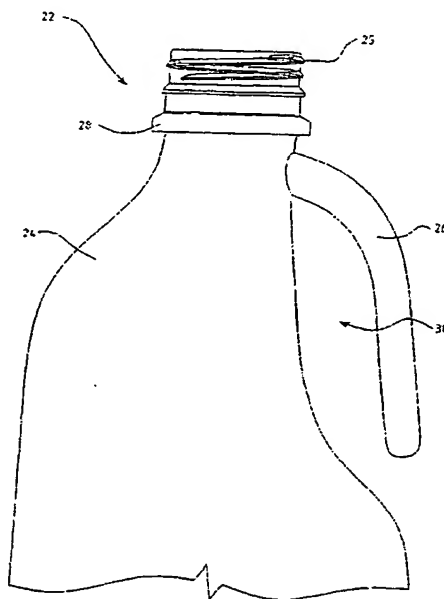
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INTEGRAL HANDLE PET CONTAINER SYSTEM



(57) Abstract: A preform for a container comprised of orientable plastics material and arranged so that the resultant blown container will include a hollow handle; said preform comprising a moulded structure having a neck portion and an expandable portion below the neck, a hollow handle portion of orientable plastics material integrally connected at least at a first end to said preform which when the container is formed constitutes said handle, and wherein interior surfaces of said hollow handle portion form a continuum with interior surfaces of said expandable portion.

WO 2005/042230 A1